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ABSTRACT

This book which treats the central issues facing mathematics teaching today, provides both a picture of current practice and innovation and a state of the art review of research in mathematics education. The first section, "Innovations," provides an overview of new technologies, new forms of assessment, and new curriculum developments. The second section, "New Research Perspectives," discusses aspects of the primary and secondary mathematics curriculum, a critical examination of some of the sacred cows of mathematics teaching, and the constructivist view of the learning of mathematics applied to the teaching and assessment of mathematics understanding. The final section, "The Social Context" of mathematics teaching, includes discussions of the issue of gender and mathematics, the implicit social and political values of mathematics and mathematics education, multicultural and anti-racist aspects of mathematics teaching, and the mathematics teacher. (YP)

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